

Arik Ahnaf

Toronto, ON | (647) 829-6527 | ahnaf@my.yorku.ca | LinkedIn/arikahnaf | GitHub/arikahnaf | arikahnaf.com

EDUCATION

York University

Candidate for Bachelor of Engineering, **Software Engineering**

Toronto, ON

Expected: Apr 2027

- **Relevant Courses:** Object-Oriented Programming, Embedded Systems, Computer Organization


EXPERIENCE

York University Robotics Society

Software Developer

North York, ON

Jul 2025 – Present


- Implemented a robust **to-do list application**  for **10+ members** in the **Rover Software team**, leveraging **React** along with **HTML**, **CSS**, and **JavaScript** to optimize task management and enhance team productivity
- Programming in **Python** and **C++** to develop hardware-centric interfaces for the Rover, enhancing the remote-controlled motor vehicle's functionality and efficiency

TELUS

Software Engineer Intern

Toronto, ON

Jan 2025 – Aug 2025

- Developed a **self-assessment web application**  for **50+ project managers**, building the frontend with **HTML**, **CSS**, and **JavaScript**, the backend with **Google Apps Script**, and using **Google Sheets** as the database
- Integrated **Chart.js** to build interactive dashboards that visualized **self-assessment results** through **donut**, **horizontal bar**, and **radar charts**, helping project managers identify strengths and areas for improvement
- Leveraged **GPT-4 LLM** via **Fuel iX API** with **prompt engineering** in the **self-assessment app** to generate personalized feedback for users based on their responses
- Built and deployed automated **ETL pipelines** in **DOMO** using **MySQL**, improving reporting efficiency and saving project managers **2+ hours weekly**
- Migrated **7 dashboards** from **DOMO** to **Tableau**, implementing advanced data visualizations (e.g., **treemaps**, **pie charts**, **horizontal bar charts**) and **calculated fields** to ensure data integrity and executive-ready insights

Ontario Power Generation

Data Engineer Intern

Pickering, ON

Jan 2024 – Aug 2024

- Built a comprehensive **Power BI** dashboard and **Power Apps** application for the **Outage managers** using data from the department's **Microsoft SQL Server**, enhancing data visualization and decision-making efficiency
- Enhanced data performance by developing and optimizing **100+ SQL queries** and **10+ complex stored procedures** in **SQL Server Management Studio**, significantly reducing data loading times
- Automated data entry in **Excel** through **Python** scripting and the utilization of the **Pandas** library, resulting in a weekly time savings of **3+ hours** for the **Safe Storage team**
- Maintained **10+ Power BI** dashboards and **3+ Power Apps** applications for the **Work Control team**, adding new features and resolving data issues to ensure accurate reporting

PROJECTS

Advanced Options Tracker | *Java, Spring Boot*

- Developing a full-stack **investment portfolio tracker**, leveraging an **AI-powered recommendation engine** to provide personalized financial insights
- Engineering a comprehensive options tracking module, supporting advanced strategies including **Covered Calls**, **Cash-Secured Puts**, **Naked Calls**, and **Naked Puts**, alongside a **compound interest calculator**
- Building using **Java** and the **Spring Boot** framework for a robust backend, with **Angular** as the modern frontend framework to create a responsive and intuitive user interface

TECHNICAL SKILLS

Programming Languages: Java, Python, C, C++, C#, SQL, MATLAB, HTML, CSS, JavaScript, Verilog

Frameworks & Libraries: React, Angular, Spring Boot, Flask, Chart.js, Tailwind CSS, Pandas, NumPy

Tools & Technologies: Git, Docker, Kubernetes, Power BI, Tableau, Arduino, Microsoft Office, Google Workspace